

# DEEPCEL *plus* **DPA2G16LS2FT OR 2U**

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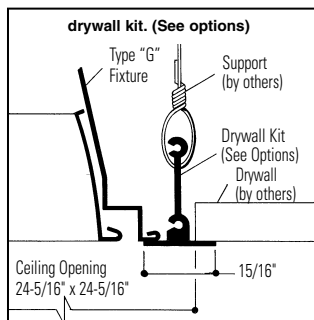
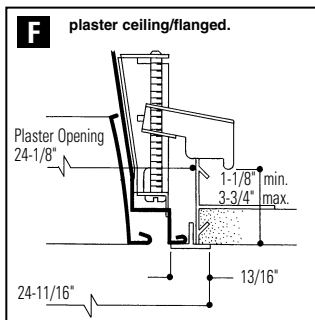
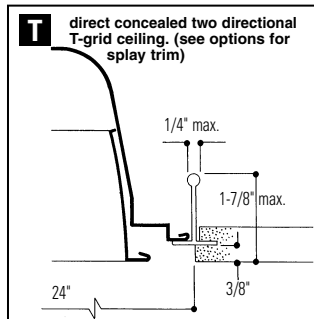
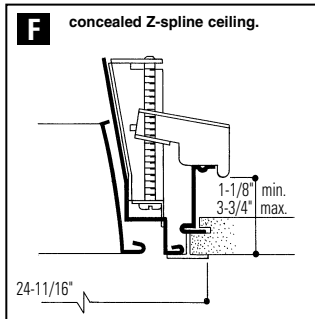
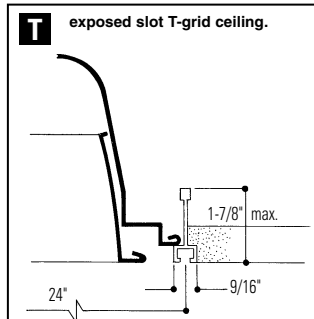
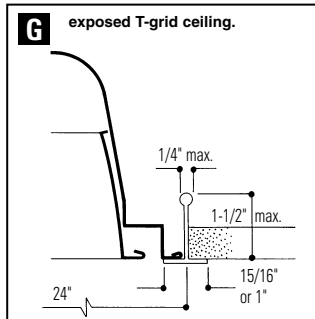
2'x2' RECESSED FLUORESCENT, 3" DEEP, 16 CELL PARABOLIC LOUVER  
STATIC OR AIR SUPPLY/RETURN, 2 LAMP TWIN TUBE T5 OR 1 5/8"U LAMP T8

## FEATURES

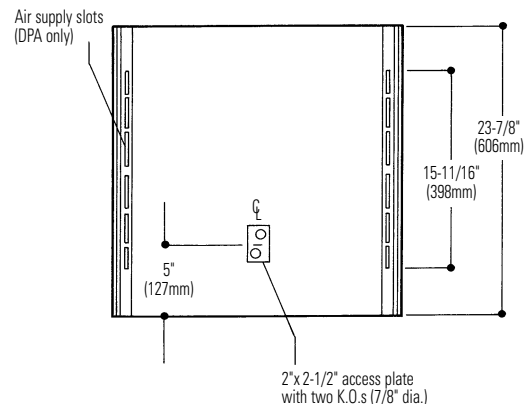
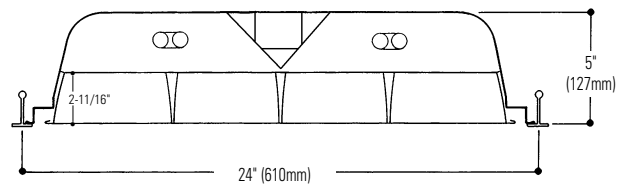
- 5" deep body.
- 69.4% efficient (2 lamp TT5).
- Clean contoured interior.
- Eyeleted heat removal vents in fixture ends.
- One piece housing.
- Black exterior for cooler ballast operating temperature.
- Hemmed over side rails for safe handling.
- Fixture ends turned-in for safe handling.
- Built-in earthquake clips (patent no. 5,072,344).
- Pre-anodized aluminum parabolic louver.
- Vertical grain louver eliminates reflected lamp images on cross baffle.
- Spring-loaded rooster head latches.
- 18 gauge steel hinges.
- Louver frame with integral positive light stop.
- Louver has protective film dust guard.
- Construction to meet Chicago Plenum requirements is available.



## MOUNTING METHODS



## DIMENSIONS



## Job Information

## Type:

**Job Name:**

**Cat. No.:**

**Lamp(s):**

**Volts/Ballast:**

Lightolier a Genlyte Thomas Company

www.lightolier.com

Technical Information: (978) 657-7600 • Fax (978) 658-0595

631 Airport Road, Fall River, MA 02720 • (508) 679-8131 • Fax (508) 674-4710

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SECTION 2/Folio G51-38

**LIGHTOLIER**

# DEEPCEL plus DPA2G16LS2FT or 2U

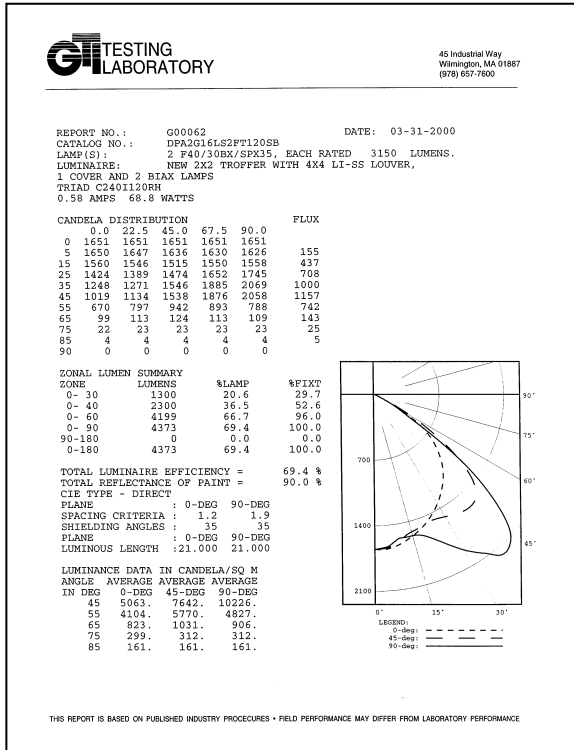
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2'x2' RECESSED FLUORESCENT, 3" DEEP, 16 CELL PARABOLIC LOUVER  
STATIC OR AIR SUPPLY/RETURN, 2 LAMP TWIN TUBE T5 OR 1 5/8"U LAMP T8

## PHOTOMETRY

MODEL NO. DPA2G16LS2FT

Luminaire Efficacy Rating  
LER-54.7 Watts-68.8 BF-0.86



### coefficients of utilization — zonal cavity method

	RF	20			50			80		
		RC	RV	RV	RC	RV	RV	RC	RV	RV
1	77	75	72	70	68	67	68	66	65	65
2	71	67	63	63	60	57	61	58	56	56
3	66	59	55	56	53	49	55	51	49	49
4	61	53	48	51	46	43	49	45	42	42
5	56	48	42	46	41	37	44	40	37	37
6	52	43	37	41	36	33	40	36	32	32
7	48	39	33	37	32	29	36	32	29	29
8	44	35	30	34	29	26	33	29	26	26
9	41	32	27	31	26	23	31	26	23	23
10	39	30	25	29	24	21	28	24	21	21

### visual comfort probability (VCP) average 100 fc, reflectances 80/50/20

room size		ceiling height				ceiling height			
W	L	8.5	10.0	13.0	16.0	8.5	10.0	13.0	16.0
20	20	75	66	58	63	71	63	55	50
20	30	77	70	62	60	74	67	60	52
20	40	79	72	66	63	77	70	64	56
20	60	81	74	69	66	79	72	67	60
30	20	79	72	61	61	77	69	59	52
30	30	81	74	65	59	79	72	63	54
30	40	82	76	69	62	81	74	67	57
30	60	83	78	71	65	82	76	70	61
30	80	84	79	73	67	83	78	72	64
40	20	81	75	66	63	79	72	64	55
40	30	83	77	69	61	81	75	68	57
40	40	84	79	72	64	83	77	71	60
40	60	85	80	74	67	84	79	73	63
40	80	86	81	76	69	85	80	75	66
40	100	87	82	78	71	86	81	77	68
60	30	84	78	72	65	82	77	70	61
60	40	85	80	74	67	84	79	73	64
60	60	86	81	76	69	85	80	75	66
60	80	86	83	77	71	86	81	77	69
60	100	87	84	79	73	86	82	78	71
100	40	85	80	75	69	84	78	74	66
100	60	86	82	77	72	85	80	76	69
100	80	87	83	79	74	86	82	78	71
100	100	88	84	81	75	87	83	80	73

## ORDERING INFORMATION

Explanation of Catalog Number. Example: DPA2G16LS2FT120SBRF

DP		2		16		S	2				
DEEPCEL PLUS 3" PARABOLIC: Pre-anodized aluminum louver	BODY STYLE: A=Air Supply S=Static	FIXTURE WIDTH	CEILING TYPE: G= Grid (lay-in T bar) F=Flanged (overlap) Z spline and plaster frame T=Slot grid or two-directional concealed T (see options)	NUMBER OF CELLS: 16=4 rows of 4	LOUVER FINISH*: L= Low Iridescence Semi-specular (standard) P= Low Iridescence Specular W=White Baked Enamel G= Champagne Gold	SINGLE "V" REFLECTOR	LAMP QUANTITY	LAMP TYPE/ FIXTURE LENGTH: FT=Twin Tube T5 2U=1-5/8"U Lamp T8 (Nominal 48")	VOLTAGE: 120 or 277	BALLAST TYPE:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 <	

## OPTIONS & ACCESSORIES

**PLASTER FRAME:** Catalog Number: PF22.

**CONTINUOUS ROW INSTALLATION:** For F type fixtures, half-width flanges are required between fixtures. Order Catalog Number: S2FCTTRIM (each joint).

**SPLAY TRIM:** For T ceiling type only. SUFFIX: CTZ22 S2 SPLAY TRIM.

**RADIO INTERFERENCE FILTER:** 120 or 277 volt, 50 or 60 Hz. One per fixture standard. SUFFIX: RF.

**ELECTRICAL/WIRING OPTIONS:** Consult factory.

**AIR CLOSURE STRIP:** SUFFIX: ACS2. (factory installed).

**DRYWALL KIT:** Order Catalog Number: FK92X2. Request Folio OA30-10.

**CHICAGO PLENUM:** SUFFIX: CP.

## SPECIFICATIONS

**PERFORMANCE:** In an installation of 2 lamp 40W luminaires in a room cavity ratio of 1, with reflectance of 80% ceiling, 50% wall, 20% floor, the C.U. shall not be less than .75. To prevent glare the VCP shall not be less than 85 either lengthwise or crosswise (at 100fc level) and the average brightness at 65° shall not exceed 1031 candelas per square meter. To control veiling reflections, luminaire output in the 30°-90° zone shall not be less than 70.3%.

**AIR HANDLING** (DPA only) side air passages for air supply or air return. Supply air is discharged vertically. Optional side closure strips. Air return is also provided through the lamp compartment through fixture body ends.

## SPECIFICATIONS (continued)

**MATERIALS:** Chassis parts are die-formed cold gauge cold rolled steel. Housing is ribbed for rigidity with side rails hemmed over and housing ends turned-in for safe handling. Louver is pre-anodized aluminum (Coilzak® or equal).

**FINISH:** Chassis exterior—black baked polyester enamel. Cavity—white baked polyester enamel minimum 86% reflectance. Phosphate undercoating.

**Louvers**—low iridescence semi-specular anodized vertical grain aluminum reflector sheet is standard.

**ELECTRICAL:** Thermally protected class "P" ballast C.B.M. approved, non PCB. If K.O. is within 3" of ballast, use wire suitable for at least 90°.

**LABELS:** I.B.E.W. UL and ULc Listed.

## Job Information

## Type:

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